**Study guide for the SEMESTER 2 EXAM**

*Study the following in order to be prepared for the Semester 2 exam…*

*GEOMETRY*

Section 11.1 Areas of triangles and parallelograms, p 720

*HW: p 723-4 #1 and 3-20, 22-30*

Section 11.2 Areas of Trapezoids and Kites p 729

*HW: p 733 #3-15 and 16-29*

Section 8.1 p 507

*HW: p 510-12 #3-17, 19-21*

Section 8.5 Use Properties of Trapezoids and Kites p 542

*HW: p 546-7 #3-15, 18-27, 29, 30, 34 and 36*

Section 12.1 p 794

*HW: p 798 #3-20 ALL*

*HW: p 806-7 #1-20 ALL*

Section 10.1 Use Properties of Tangents, p 651

*HW: p 655-58 #3-27, 30 and 35-37*

Section 10.2 Find Arc Measures, p 659

*HW: p 661-2 #1-19, and 22-24*

Section 10.3 Properties of Chords, p 664

*HW: p 667 #3-19 and 22-24*

Section 10.4 Polygons p 672

*HW: p 676-77 #3-25*

*ALGEBRA 2*

Order of operations, review

*HW: Review of Algebraic and Numeric Expressions WS*

Absolute value, review

*HW: Absolute Value WS, #1-18 only*

Solving Multi-Step Equations

*HW: Multi-step equation WS*

Transforming formulas, review

*HW: Transforming Formulas WS #1-12*

Inequalities, review

*HW: Solving inequalities review WS #1-22*

Solving Linear Systems by Graphing

*HW: Guided Practice problems #1 and #2 on page 153*

*HW: Solve Systems of Equations WS #1-10*

*HW: Solving Systems of Equations WS #2, 1-15*

Solving Linear Systems by Substitution

*HW: Solving Systems of Equations by SUBSTITUTION#1-12*

Solving Systems of Equations by Elimination

*HW: Solving Systems of Equations by ELIMINATION WS #1-8*

Choosing methods for solving systems of equations (Graphing, substitution or elimination)

*HW: Choosing methods for solving systems of equations, Problem Set #1-6*

Graphing Inequalities (***GRADE 9 ONLY)***

*HW: Graphing Linear Inequalities WS #1-12*

*HW: Solving Systems of Inequalities with TWO equations, WS #1-10*

Matrices (adding, subtracting, multiplying by a scalar)

*HW: Matrices WS #2, #1-16 ALL*

*HW: Solving for x and y* ***(This assignment for GRADE 9 ONLY)****, TBA*